



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/394,867

DATE: 01/19/2001

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Input Set : A:\iu33ci21.APP

Output Set: N:\CRF3\01192001\I394867.raw

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3 <110> APPLICANT: Williams, David A.
 5 <120> TITLE OF INVENTION: METHODS FOR ENHANCED RETROVIRAL-MEDIATED GENE TRANSFER
 7 <130> FILE REFERENCE: 7037-377
 9 <140> CURRENT APPLICATION NUMBER: 09/394,867
10 <141> CURRENT FILING DATE: 1999-09-13
12 <150> PRIOR APPLICATION NUMBER: 08/536.891
13 <151> PRIOR FILING DATE: 1995-09-29
15 <150> PRIOR APPLICATION NUMBER: PCT/US95/03817
16 <151> PRIOR FILING DATE: 1995-03-27
18 <150> PRIOR APPLICATION NUMBER: 08/218,355
19 <151> PRIOR FILING DATE: 1994-03-25
21 <160> NUMBER OF SEQ ID NOS: 2
23 <170> SOFTWARE: PatentIn Ver. 2.1
25 <210> SEQ 1D NO: 1
26 <211> LENGTH: 271
27 <212> TYPE: PRT
28 <213> ORGANISM: Homo sapiens
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34 Ser Leu Ser Ala Gln Trp Thr Pro Pro Asn Val Gln Leu Thr Gly Tyr 35 20 25 30
37 Arg Val Arg Val Thr Pro Lys Glu Lys Thr Gly Pro Met Lys Glu Ile
38 35 40 45
40 Asn Leu Ala Pro Asp Ser Ser Ser Val Val Val Ser Gly Leu Met Val 41 \phantom{-}50\phantom{+}55\phantom{+}55\phantom{+}
43 Ala Thr Lys Tyr Glu Vai Ser Vai Tyr Ala Leu Lys Asp Thr Leu Thr 44 65 70 75 80
49 Pro Arg Arg Ala Arg Val Thr Asp Ala Thr Glu Thr Thr Ile Thr Ile
50 100 105 11.0
52 Ser Trp Arg Thr Lys Thr Glu Thr Ile Thr Gly Phe Gln Val Asp Ala
53 115 120 125
55 Val Pro Ala Asn Gly Gln Thr Pro Ile Gln Arg Thr Ile Lys Pro Asp
56 130 135 140
58 Val Arg Ser Tyr Thr Ile Thr Gly Leu Gln Pro Gly Thr Asp Tyr Lys
59 145 150 156 156 160
61 Tie Tyr Leu Tyr Thr Leu Asn Asp Asn Ala Arg Ser Ser Pro Val Val
62 165 170 175
64 Ite Asp Ala Ser Thr Ala The Asp Ala Pro Ser Asn Leu Arg Phe Leu
65 180 1.85 190
67 Ala Thr Thr Pro Asn Ser Leu Leu Val Ser Trp Gln Pro Pro Arg Ala
68 195 200 205
70 Arg Ile Thr Gly Tyr Ile Ile Lys Tyr Glu Lys Pro Gly Ser Pro Pro
7.1 210
                         21.5
                                                 220
73 Arg Glu Val Val Pro Arg Pro Arg Pro Gly Val Thr Glu Ala Thr Ile
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74 225 230 76 Thr Gly Leu Glu Pro Gly Thr Glu Tyr Thr Ile Tyr Val Ile Ala Leu 77 245 250 79 Lys Asn Asn Gln Lys Ser Glu Pro Leu Ile Gly Arg Lys Lys Thr 80 260 265 83 <210> SEQ ID NO: 2 84 <211> LENGTH: 25 85 <21.2> TYPE: PRT 86 <213> ORGANISM: Homo sapiens 88 <400> SEQUENCE: 2 89 Asp Glu Leu Pro Gln Leu Val Thr Leu Pro His Pro Asn Leu His Gly 90 1 5 92 Pro Glu 11e Leu Asp Val Pro Ser Thr

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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/394,867

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